

CONNECTICUT RIVER BASIN

01192704 MATTABESSET RIVER AT RT 372 AT EAST BERLIN, CT

WATER-QUALITY RECORDS

LOCATION.--Lat 41°36'29", long 72°42'56", Hartford County, Hydrologic Unit 01080205, on right bank just upstream from bridge on Route 372, and on the Hartford-Middlesex County line.

DRAINAGE AREA.--48.1 mi².

PERIOD OF RECORD.--March 1995 to current year.

REMARKS.--Samples for dissolved aluminum and zinc collected from May through September 2000 were reanalyzed because of possible contamination in the lab; those samples that could not be reanalyzed have been updated to the original concentration with a "less-than" (<) data qualifier.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT 06...	1045	54	290	293	7.7	15.0	10.0	3.9	11.5	106	480
DEC 14...	1200	60	316	319	8.0	4.0	5.0	3.5	13.0	102	200
FEB 08...	1425	61	484	486	8.4	-2.0	.5	4.4	17.4	118	K18
APR 12...	0840	63	310	319	8.1	7.5	8.0	2.4	12.2	102	56
JUN 01...	1000	40	342	345	7.9	23.0	16.5	2.9	9.1	94	100
JUL 20...	1050	22	349	369	7.9	21.0	21.0	3.9	9.1	102	130
AUG 28...	0945	20	385	396	8.1	22.5	20.5	.5	8.9	99	96
SEP 21...	0840	1410	220	218	7.7	22.5	20.0	2.5	7.9	89	1100
DATE	ENTERO-COCCI ME,MF WATER TOTAL (COL / 100 ML) (31649)	ENTERO-COCCI (MEI) MF 24 HOUR (COL / 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 06...	460	--	120	32.5	10.3	12.3	1.5	0	101	83	21.8
DEC 14...	100	--	120	32.4	10.1	13.6	1.2	0	126	103	19.4
FEB 08...	K13	--	160	41.4	12.7	34.7	1.4	0	155	127	23.1
APR 12...	--	K18	120	31.4	9.65	15.1	1.1	0	117	96	15.5
JUN 01...	--	80	140	36.4	11.0	14.8	1.2	0	137	112	16.8
JUL 20...	--	K72	140	37.9	11.7	15.4	1.4	0	146	120	17.4
AUG 28...	--	27	160	43.3	13.0	17.0	1.3	0	159	130	19.5
SEP 21...	--	1180	80	21.8	6.23	9.8	1.6	0	84	69	11.2
DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 06...	19.8	<.1	12.6	181	185	.014	.591	.056	.80	.85	.33
DEC 14...	21.3	<.1	11.0	179	194	<.010	.778	.064	.27	.34	.24
FEB 08...	61.6	<.1	11.3	270	273	<.010	1.11	.055	.22	.27	.22
APR 12...	24.8	<.1	7.2	180	183	<.010	.570	.030	.35	.38	.26
JUN 01...	25.4	<.1	10.9	194	203	.034	.801	.048	.32	.37	.26
JUL 20...	25.5	.1	10.3	210	212	.016	.862	.031	.30	.33	.28
AUG 28...	26.8	<.1	10.2	225	221	<.010	.785	.025	.20	.23	.22
SEP 21...	13.9	<.1	7.0	136	146	<.010	.440	.041	.40	.44	.36

01192704 MATTABESSET RIVER AT RT 372 AT EAST BERLIN, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 06...	1.4	.136	.027	.012	6	<1	82	<1	<1.0	<.8	<1
DEC 14...	1.1	.030	.010	.012	4	<1	83	<1	<1.0	<.8	<1
FEB 08...	1.4	.024	.007	<.010	2	<1	115	<1	<1.0	<.8	<1
APR 12...	.95	.026	.012	<.010	<7	<1	79	<1	<1.0	<.8	<1
JUN 01...	1.2	.054	.034	.024	<12	<1	91	<1	<1.0	<.8	<1
JUL 20...	1.2	.078	.054	.041	3	<1	99	<1	<1.0	<.8	<1
AUG 28...	1.0	.051	.037	.028	3	<1	108	<1	<1.0	E.7	<1
SEP 21...	.88	.101	.053	.038	7	<1	63	<1	<1.0	.9	<1

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 06...	4	70	<1	49	<1	2	<1	3	<1	5.8
DEC 14...	2	80	<1	96	<1	1	<1	3	<1	3.5
FEB 08...	2	40	<1	145	<1	2	<1	3	<1	2.7
APR 12...	2	120	<1	98	<1	2	<1	<3	<1	--
JUN 01...	2	90	<1	94	<1	1	<1	<4	<1	3.6
JUL 20...	2	60	<1	82	<1	4	<1	<1	<1	3.9
AUG 28...	2	60	<1	39	<1	1	<1	1	<1	3.3
SEP 21...	4	40	<1	40	<1	3	<1	2	<1	6.2